Inter B.Sc. Examination, 2019

2nd Year, 1st Semester

Subject: SEC-I (COMPUTER C++)

Answer any three

Time: 2 hrs   Full Marks: 30

1. Write some basic advantages of Object Oriented Programming (OOP) languages over Procedural Programming languages. Describe the utility of static data member in a class. What is scope resolution operator? What is the significance of reference operator in C++? (3+2+2+3)

2. Write a C++ program of your own choice where the same problem can be implemented using for loop, while loop, and do-while loop. Write down the importance of using namespace. (8+2)

3. Explain the usage of friend function in C++ language with an example. Describe the function overloading in C++ language. (7+3)

4. What is constructor? What is the utility of it? Write a sample C++ program to show the usage of constructor and destructor. (2+2+6)

5. What do you mean by inheritance? What are differences among multilevel, multiple and hierarchical inheritance? Explain with proper example. (2+8)

6. Define the concepts of class and object. Write the similarities and dissimilarities between macro and inline function. *Inline function differs from macro* - explain with proper example. (2+4+4)